

We claim:

1. A method of explicitly indicating that a mobile station terminated call is from an emergency call centre, the method comprising the steps of:  
forming an emergency signal in relation to the mobile station terminated call;  
5 sending said emergency signal to the mobile station on behalf of the emergency call centre; and  
detecting said emergency signal at the mobile station.
2. The method as recited in claim 1, further comprising the step of placing a mobile station originated emergency call.
3. The method as recited in claim 1, further comprising the step of receiving the mobile station terminated  
10 emergency call.
4. The method as recited in claim 2, further comprising the step of receiving the mobile station terminated emergency call.
5. The method as recited in claim 4, further comprising the step of maintaining an apparently continuous emergency call.
- 15 6. The method as recited in claim 5, further comprising the step of automatically transitioning from said mobile station originated emergency call to the mobile terminated emergency call.
7. The method as recited in claim 5, further comprising the step of blocking a non-emergency mobile station terminated call in favour of one of said mobile station originated emergency call and the mobile terminated emergency call.
- 20 8. The method as recited in claim 5, further comprising the step of maintaining an emergency callback timer having an emergency callback period during which the mobile station operates in emergency callback mode.

9. The method as recited in claim 8, further comprising the step of determining if the mobile terminated emergency call occurs outside of the emergency callback period, and if so determined resetting the emergency callback timer so as to cause the mobile station to operate in emergency callback mode.
10. The method as recited in claim 5, further comprising the step of determining the location of the mobile station.
- 5 11. The method as recited in claim 5, wherein the apparently continuous emergency call comprises at least one call with a first responder.
12. The method as recited in claim 11, wherein the location of the mobile station is communicated to said first responder.
13. The method as recited in claim 2, further comprising the step of providing location privacy at the mobile  
10 station.
14. The method as recited in claim 13, further comprising the step of maintaining an emergency callback timer having an emergency callback period during which the mobile station operates in emergency callback mode.
15. The method as recited in claim 14, further comprising the steps of determining if the mobile terminated emergency call occurs outside of the emergency callback period; and if so determined enabling location  
15 services.
16. The method as recited in claim 14, further comprising the steps of determining if the mobile station is configured to allow location services outside the emergency callback period; and if so determined preventing location services from being enabled outside the emergency callback period.
17. The method as recited in claim 14, further comprising the steps of determining if the emergency callback timer  
20 has expired; and if so determined disabling location services.

18. The method as recited in claim 2, further comprising the step of notifying emergency information at the mobile station
19. The method as recited in claim 18, wherein said emergency information is derived from said emergency signal.
20. The method as recited in claim 19, further comprising the step of adapting said emergency information to be more readily understood by the subscriber of the mobile station.
21. The method as recited in claim 20, further comprising the step of determining a locale at the mobile station.
22. The method as recited in claim 21, wherein said locale is a default locale at the mobile station.
23. The method as recited in claim 21, wherein said locale is a preferred locale at the mobile station.
24. The method as recited in claim 21, wherein said locale is a function of a preferred ranking of locales at the mobile station.
25. The method as recited in claim 19, wherein said emergency signal includes an emergency code.
26. The method as recited in claim 25, wherein said emergency information is a function of said emergency code.
27. The method as recited in claim 25, wherein said emergency code describes the nature of the emergency in a non-localized fashion.
28. The method as recited in claim 25, wherein said emergency code is determined by the emergency call centre as a function of the nature of the emergency ascertained during the mobile station terminated call.
29. The method as recited in claim 1, wherein said emergency signal includes a global emergency call record.

30. The method as recited in claim 1, wherein said emergency signal is sent in an alert with info message.

31. The method as recited in claim 1, wherein said emergency signal is sent in a flash with info message.

32. The method as recited in claim 1, further comprising the step of automatically answering the mobile station  
5 terminated emergency call.

33. The method as recited in claim 32, further comprising the step of waiting for the subscriber to manually answer  
the mobile station terminated emergency call for a predetermined amount of time before automatically  
answering the mobile station terminated emergency call.

34. The method as recited in claim 32, further comprising the step of determining if the mobile station has  
10 speakerphone capability, and if so determined turning on the speakerphone automatically.

35. An apparatus for explicitly indicating that a mobile station terminated call is from an emergency call centre, the  
apparatus comprising:

emergency signal forming means for forming an emergency signal in relation to the mobile station  
terminated call;

15 emergency signal sending means for sending said emergency signal to the mobile station on behalf of  
the emergency call centre; and

emergency signal detecting means for detecting said emergency signal at the mobile station.

36. The apparatus as recited in claim 35, further comprising an emergency callback timer to keep track of the  
amount of time that has elapsed since the end the mobile station terminated call.

20 37. The apparatus as recited in claim 36, further comprising an emergency continuity controller to control said  
emergency callback timer as a function of said emergency signal.

38. The apparatus as recited in claim 35, further comprising a locator for providing location based services.
39. The apparatus as recited in claim 38, further comprising a location privacy controller to control said location services as a function of said emergency signal.
40. The apparatus as recited in claim 35, further comprising an emergency notification controller to provide  
5 emergency information to the subscriber of the mobile station as a function of said emergency signal.
41. The apparatus as recited in claim 40, wherein said emergency information includes location information.
42. The apparatus as recited in claim 41, wherein said location information includes a map.
43. The apparatus as recited in claim 40, wherein said emergency information is localized to be understood by the subscriber of the mobile station.
44. The apparatus as recited in claim 40, wherein said emergency information is visual.  
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45. The apparatus as recited in claim 40, wherein said emergency information is audible.